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*Tropical schemes and the Berkovich analytification*

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**Abstract:** In Equations of tropical varieties, J.H.Giansiracusa and I introduced a scheme-theoretic framework for tropicalization and tropical geometry. In this talk I'll discuss recent developments in this program. Specifically, we introduce a canonical embedding of any scheme in an F1-scheme (in essence, a non-finite type toric variety) such that the corresponding tropicalization is the inverse limit of all tropicalizations and its T-points form the space underlying Berkovich's analytification. This is related to Payne's topological inverse limit result.

Tuesday, April 21, 2015, 4:00 pm  
Mathematics and Science Center: W304

MATHEMATICS AND COMPUTER SCIENCE  
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